

Remarks/Arguments begin on page 5 of this paper.

An amended drawing figure is attached following page 6 of this paper.

Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 2, with the following rewritten paragraph:

Figure 2 is the  $^1\text{H}$  NMR spectrum of PEG-*b*-P(DMAEMA<sub>30</sub>-co-EMA<sub>70</sub>) in  $\text{CDCl}_3$ ,

Please replace the paragraph beginning at page 26, line 2, with the following rewritten paragraph:

Synthesis of poly(ethylene glycol)-block-poly(N,N-dimethylaminoethanemethacrylate-co-ethylmethacrylate) with a ratio for DMAEMA/EMA of 30/70.

PEG-*b*-P(DMAEMA<sub>30</sub>-co-EMA<sub>70</sub>)

Please replace the paragraph beginning at page 27, line 19, with the following rewritten paragraph:

The ATRP of monomers was carried out in bulk and in solution, using a-(2-bromoisobutyrylate)-w-methyl-PEG as ATRP macroinitiator. The PEG ATRP macroinitiator (1 eq.) was added to a solution containing PMDETA (1.1 eq.), Cu(I)Br (1.1 eq.), EMA (14 eq) and DMAEMA (6 eq) in THF (0.8 M). The mixture was degassed with argon for 15-20 min at room temperature and was then heated to 60°C overnight. After the polymerization, the mixture was poured in THF, containing 10 % of methanol. The resulting polymers were filtered on silica gel, with THF as eluent, to remove copper bromide. Finally, polymers were dialyzed (SPECTRA/POR No.1, molecular weight cutoff 6000-8000) against water during 48 h and then freeze-dried. Yield: 98%. (Figure 1)

Please replace the paragraph beginning at page 28, line 11, with the following rewritten paragraph:

Poly(ethylene glycol)-*block*-poly(N,N-dimethylaminoethanemethacrylate-co-ethylmethacrylate).  
PEG-*b*-P(DMAEMA<sub>30</sub>-co-EMA<sub>70</sub>)

$^1\text{H}$  NMR (d, ppm,  $\text{CDCl}_3$ ): 4.30 (18H); 4.04 (32H); 3.60 (182H); 3.38 (3H); 2.69 (54H), 2.05-1.87 (42H); 1.43 (6H); 1.26 (56H); 1.05 and 0.88 (73H).